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				Applicam: J. Randall Hall			
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	•		U.S. PATEN	T DOCUMENTS	<u> </u>		
*Examiner initial		Document Number	Date	Name	Class	Subclass	Filing date if appropriate
5A	AA	4,889,454	December 26, 1989	Hillestad et al.			
SA	AB	5,314,270	May 24, 1994	Lavancy et al.	•		
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			U.S. PATENT DOCUME	NTS/PUBLISHED APPLICATION	s				
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SA	AA	4,091,699	May 30, 1978 .	Chaze et al.					
SA .	AB	4,192,067	March 11, 1980	Calhoun et al.	-				
5 <u>A</u>	AC	4,449,871	May 22, 1984	Hillestad		·	· · · · · · · · · · · · · · · · · · ·		
SA	AD	4,498,820	February 12, 1985	Brennan					
SA	AE	4,601,222	July 22, 1986	Gill					
51	AF	4,633,555	January 6, 1987	Legge					
SA	AG	4,689,920	September 1, 1987	Geise					
SP	АН	4,718,201	January 12, 1988	Legge					
38	AI	4,739,688	April 26, 1988	Brennan et al.					
			FOREIGN PA	TENT DOCUMENTS	· · · · · · · · · · · · · · · · · · ·				
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SN	AA	4,743,149	May 10, 1988	Geise					
SA	AB	4,830,551	May 16, 1989	Brennan et al.				· · · · · · · · · · · · · · · · · · ·	
<a< td=""><td>AC</td><td>4,872,249</td><td>October 10, 1989</td><td>VanderPol et al.</td><td>_</td><td></td><td></td><td></td></a<>	AC	4,872,249	October 10, 1989	VanderPol et al.	_				
SA	AD	4,979,294	December 25, 1990	Bowman et al.	_		· .		
SA	AE	5,044,075	September 3, 1991	Brennan et al.					
5A	AF	5,356,248	October 18, 1994	Hillestad					
517	AG	5,531,550	July 2, 1996	Moruzzi	_				
SA	AH	5,542,177	August 6, 1996	Hillestad	1				
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Sheet 1 of 1 Form PTO-1449 Atty. Docket No.: Serial No.: 10/657,890 U.S. Department of Commerce Patent and Trademark Office H&S-L LIST OF PRIOR ART CITED BY APPLICANT Applicant: (Use several sheets if necessary) J. Randali Hall Filing Date: 09/09/03 Group: U.S. PATENT DOCUMENTS Filing date • Examiner Document Number Date Name Class Subclass Initial appropriate SA November 1964 3,157,076 AA Arthur AB 5,033,347 July 23, 1991 Hillestad, et al. SA AC 2005/0053432 March 10, 2005 Hall AD ΑE AF AG AH Al AJ AK FOREIGN PATENT DOCUMENTS Document Number Date Country Class Subclass Translation Yes AL AM AN AO AP OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) AR

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